

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (original): A metal laminate comprising between two outer metal sheets an adhesive polymer layer, characterized in that the adhesive polymer layer comprises polyamide, a copolymer of ethylene and an unsaturated carboxylic acid and/or a derivative thereof and a reactive copolymer.

2. (original): A metal laminate according to claim 1, wherein the copolymer of ethylene and an unsaturated carboxylic acid and/or a derivative thereof is a grafted polyethylene.

3. (currently amended): Metal laminate according to claim 1 ~~or 2~~, wherein the surface of the first outer metal sheet is greater than the surface of the second outer metal sheet.

4. (currently amended): Metal laminate according to claim 1 ~~any of claims 1 to 3~~, wherein the outer metal sheets are made of steel or aluminium.

5. (currently amended): Metal laminate according to claim 1 ~~any of claims 1 to 4~~, wherein the polyamide comprises polyamide 6.

6. (currently amended): Metal laminate according to claim 1 ~~any of claims 1 to 5~~, wherein the adhesive polymer layer comprises 20 to 95% in weight of polyamide.

7. (original): Metal laminate according to claim 6, wherein the adhesive polymer layer comprises 45 to 65% in weight of polyamide.

8. (currently amended): Metal laminate according to claim 1 ~~to 7~~, wherein the copolymer of ethylene and an unsaturated carboxylic acid is a copolymer of ethylene and an unsaturated carboxylic acid containing 1 to 6 carboxylic groups and/or the derivative thereof.

9. (original): Metal laminate according to claim 8, wherein the polyethylene is grafted with maleic acid and/or a derivative thereof.

10. (original): Metal laminate according to claim 9, wherein the polyethylene is grafted with maleic acid anhydride.

11. (currently amended): Metal laminate according to claim 1 ~~any of claims 1 to 10~~, wherein the adhesive polymer layer comprises 5 to 80 % in weight of grafted polyethylene.

12. (original): Metal laminate according to claim 11, wherein the adhesive polymer layer comprises 30 to 50 % in weight of grafted polyethylene.

13. (currently amended): Metal laminate according to claim 1 ~~any of claims 1 to 12~~, wherein the adhesive polymer layer comprises non linear grafted polyethylene.

14. (currently amended): Metal laminate according to claim 1 ~~any of claims 1 to 13~~, wherein the adhesive polymer layer comprises a polyamide continuous phase.

15. (currently amended): Metal laminate according to claim 1 ~~any of claims 1 to 14~~, wherein the reactive copolymer is a copolymer of styrene and an unsaturated carboxylic acid and/or a derivative thereof.

16. (original): Metal laminate according to claim 15, wherein the reactive copolymer comprises a styrene- maleic acid anhydride copolymer.

17. (currently amended): Metal laminate according to claim 1 ~~any of claims 1 to 16~~, wherein the adhesive polymer layer comprises 0.5 to 10 % in weight of a reactive copolymer.

18. (currently amended): Metal laminate according to claim 1 ~~any of claims 1 to 17~~, wherein the adhesive polymer layer further comprises an epoxy resin.

19. (currently amended): Metal laminate according to claim 1 ~~any of claims 1 to 18~~, wherein the adhesive polymer layer further comprises a flame retardant agent.

20. (currently amended): Metal laminate according to claim 1 ~~any of claims 1 to 19~~, wherein the adhesive polymer layer comprises an intermediate layer of a different polymer.

21. (currently amended): Process for the manufacture of a metal laminate according to claim 1 ~~any of claims 1 to 20~~ comprising the steps consisting in :

- a. Providing a first and a second metal sheet;
- b. Applying a polymer composition comprising polyamide, grafted polyethylene and a reactive copolymer onto the first metal sheet;
- c. Applying the second metal sheet onto the polymer layer applied onto the first metal sheet to obtain a metal laminate; and
- d. Heating the metal laminate to complete the adhesion.

22. (original): Process according to claim 21, wherein the polymer composition is previously extruded to form a polymer film.

23. (original): Process according to claim 21, wherein the polymer film is directly extruded onto the first metal sheet.

Preliminary Amendment

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24. (currently amended): Use of the metal laminate according to claims ~~1 to 20~~ for the manufacture of automotive body parts.